BRIEFING SUMMARY
3/19/79

13.68-Acre Farm

Drinking Water (VOA & Extractable Data)

- West Point, KY, Raw & Finished - Clean. No organic compounds present at concentrations greater than 5 ug/1,
- Ft. Knox Well Supply - Clean. No organic compounds present at concentrations greater than 5 ug/1.
- Private Residences (Abbott Beach Road) Clean, except for trichlorofluoromethane 5-38 ug/1 range. However, blank contamination makes the data somewhat questionable. Should be resampled.

Ambient Water & Sediment

- Stump Gap Creek (Water) - Low Level (<20 ug/1) ketone, phthalates, and sulfonamide-type compounds.
- Stump Gap Creek (Sediment) - Several unidentified compounds <1 mg/kg. Trace (<0.1 mg/kg), Aroclor 1260.

Core Samples

- All core samples to be extracted.

Brickyard

Ambient Water & Sediment

- Bee Branch (Water) - Clean. No organic compounds present at concentrations greater than 5 ug/1.
- Bee Branch (Sediment) - Clean. No organic compounds present at concentrations greater than 1 mg/kg.

Cores

- All cores samples to be extracted.

A. J. Taylor Site

Drinking Water (VOA & Extractable Data)

- Judd Res. (National Turnpike) - Low concentration organics detected (chloroform, bromodichloromethane, xylene, diethyl-phthalate). Due to low concentration of compounds, the well should be resampled, prior to data release.
- Sweeney Res. (P. O. Box 241) - Clean. No organic compounds present at concentrations greater than 5 ug/1.

Ambient Water & Sediment

- Wilson Creek (Water) Organics present include ketones (mg/1), aromatics, alcohols, acids, phthalates (ug/1). Highly contaminated.
- Wilson Creek (Sediment) - Significant number of unidentified compounds in the 1-10 mg/kg range. PCB detected in four creek sampling sites in low concentrations (0.01-3.0 mg/kg).
- Pond Creek (Water) - Few organics present, mostly less than 10 ug/1.
- Pond Creek (Sediment) - Significant number of unidentified compounds in the 1 mg/kg or less concentration. Trace levels of PCB and chlordane detected.
- Taylor Site Samples (Water) - Organics present include ketones (mg/1), aromatics, alcohols, acids, phthalates (ug/1). Highly contaminated.
- Taylor Site Samples (Sediment) - Significant number of unidentified compounds <1-400 mg/kg range. PCB detected at three sediment sampling sites (1-14.0 mg/kg range).

Cores

- All core samples to be extracted.

General Statements about Ambient samples - Surface water and sediment

- The majority of volatile organic compounds present in greater than 10-ug/l concentration are chemicals commonly used as solvents in such things as paints, resins, varnishes, lacquer, and dry cleaning, also degreasers and paint removers. Many of the extractable compounds are commonly associated with the manufacture of paint-related products.
- None of the organic chemicals (Hexa, Octa, and HCB) connected with the Louisville STP spill in March 1977 were detected in any samples analyzed.
- Screening for chlorinated pesticides revealed low levels (<0.01 mg/kg) of chlordane in some Pond Creek sediment samples. No other chlorinated pesticides were detected.
- Low level PCB (Aroclor 1260 & 1254) detected at Taylor site, Wilson Creek, Pond Creek, Stump Gap Creek in sediments. However, None ~~some~~ detected in surface waters.